

WHAT IS CLAIMED IS:

1        1.        A resin composition to be used for electric wire sheaths, wherein a  
2 polyolefin resin and an ultrafine nylon fibers-dispersed polyolefin resin  
3 composition are mixed.

1        2.        The resin composition as set forth in claim 1, wherein a blend ratio of  
2 a polyolefin (PO) and ultrafine nylon fibers (Ny) in the ultrafine nylon  
3 fibers-dispersed polyolefin resin composition falls within a range from 5:5 to 9:1  
4 (PO:Ny).

1        3.        The resin composition as set forth in claim 2, wherein the blend ratio  
2 is 8:2 (PO:Ny).

1        4.        The resin composition as set forth in claim 1, further comprising at  
2 least one of silica particles and magnesium hydroxide particles.

1        5.        The resin composition as set forth in claim 1, wherein the ultrafine  
2 nylon fibers-dispersed polyolefin resin composition is comprised of a polyolefin,  
3 polyamide fibers, a silane coupling agent and silica particles.

1        6.        The resin composition as set forth in claim 5, wherein the polyamide  
2 fibers are comprised of at least one of silica particles and magnesium  
3 hydroxide particles.

1        7.        The resin composition as set forth in claim 1, wherein a mean fiber  
2        diameter of the polyamide fibers is not greater than 5  $\mu\text{m}$ , and an aspect ratio  
3        thereof falls within a range from 20 to 1000.

1        8.        An electric wire, comprising a sheath comprised of the resin  
2        composition as set forth in claim 1.